AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A method for managing system resources required for communication between a source device and a sink device in a network system in which a digital interface is used for connection between the source device and the sink device, the method comprising the steps of:

(a) allocating to the source device system resources presently required for commencement of communication between the source device and the sink device, wherein the allocating is performed by the sink device;

(b) monitoring at the source device a format of the output bit stream of the source device while communications are being maintained between the source device and the sink device to determine if requirements for the system resources have changed;

(c) allocating at the source device additional system resources to the source device or releasing at the source device redundant system resources from the source device, if it is determined as a result of monitoring that the requirements for the system resources have changed; and

(d) detecting at the sink device final system resources allocated for communication between the source device and the sink device and releasing at the sink device the detected final system resources, when communication between the source device and the sink device is terminated.

2. (original): The method of claim 1, wherein the step (c) further comprises recording at the source device information regarding a change in requirements for the system resources in a predetermined storage location of the source device, and, the step (d) further comprises detecting final system resources at the sink device based on the information recorded in the predetermined storage location of the source device.

3. (original): The method of claim 2, wherein the predetermined storage location is an output plug control register which is defined according to an IEC61883 standard, which defines management of connections between digital devices in an IEEE1394 network system, wherein the step (c) further comprises updating a payload field of the output plug control register based on a bandwidth of the output bit stream when the bandwidth, which is initially allocated as one of the system resources in the step (a), is changed.

4. (original): A method for managing system resources required for communication between a source device and a sink device in a network system in which a digital interface is used for connection between the source device and the sink device, the method comprising the steps of:

(a) allocating to the source device system resources presently required for commencement of communication between the source device and the sink device, wherein the allocating is performed by the sink device;

(b) monitoring at the source device a format of the output bit stream of the source device while communications are being maintained between the source device and the sink device to determine if requirements for the system resources have changed;

(c) informing the sink device of the change in the requirements for the system resources

if it is determined as a result of monitoring that the requirements for the system resources have

changed;

(d) allocating additional system resources to the source device or releasing redundant

system resources from the source device, at the sink device if it is determined as a result of

monitoring that the requirements for the system resources have changed; and

(e) detecting at the sink device final system resources and releasing at the sink the

detected system resources when communication between the source device and the sink device is

terminated.

5. (original): The method of claim 4, wherein the step (e) further comprises determining

if communication between the source and sink devices has been terminated.

6. (original): The method of claim 4, wherein the step (c) further comprises recording at

the source device information regarding the change in the requirements for the system resources

in a predetermined storage location of the source device, the step (d) further comprises reading at

the sink device the information regarding the change in the requirements for the system resources

from the predetermined storage location of the source device, and the step (e) further comprises

detecting the final system resources at the sink device based on the information recorded in the

predetermined storage location.

7. (original): The method of claim 6, wherein the predetermined storage location is an

output plug control register which is defined according to an IEC61883 standard, which defines

management of connections between digital devices in an IEEE1394 network system, wherein a

payload field of the output plug control register is updated based on a bandwidth of the output bit

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stream when the bandwidth, which is initially allocated as one of the system resources in the step

(a), is changed.

8. (currently amended): A method for managing system resources required for

communication between a source device and a sink device in a network system in which a digital

interface is used for connection between the source device and the sink device, the method

comprising:

(a) allocating to the source device, system resources required for commencement of

communication between the source device and the sink device, and releasing at the source device

redundant system resources from the source device;

(b) detecting final system resources allocated for communication between the source

device and the sink device and releasing at the sink device the detected final system resources,

when communication between the source device and the sink device is terminated.

9. (previously presented): The method of claim 8, wherein the step (b) further comprises

determining if communication between the source and sink devices has been terminated.

10. (new): The method of claim 1, wherein in the step (c), said releasing, at the source

device, of said redundant system resources comprises releasing excessive bandwidth.